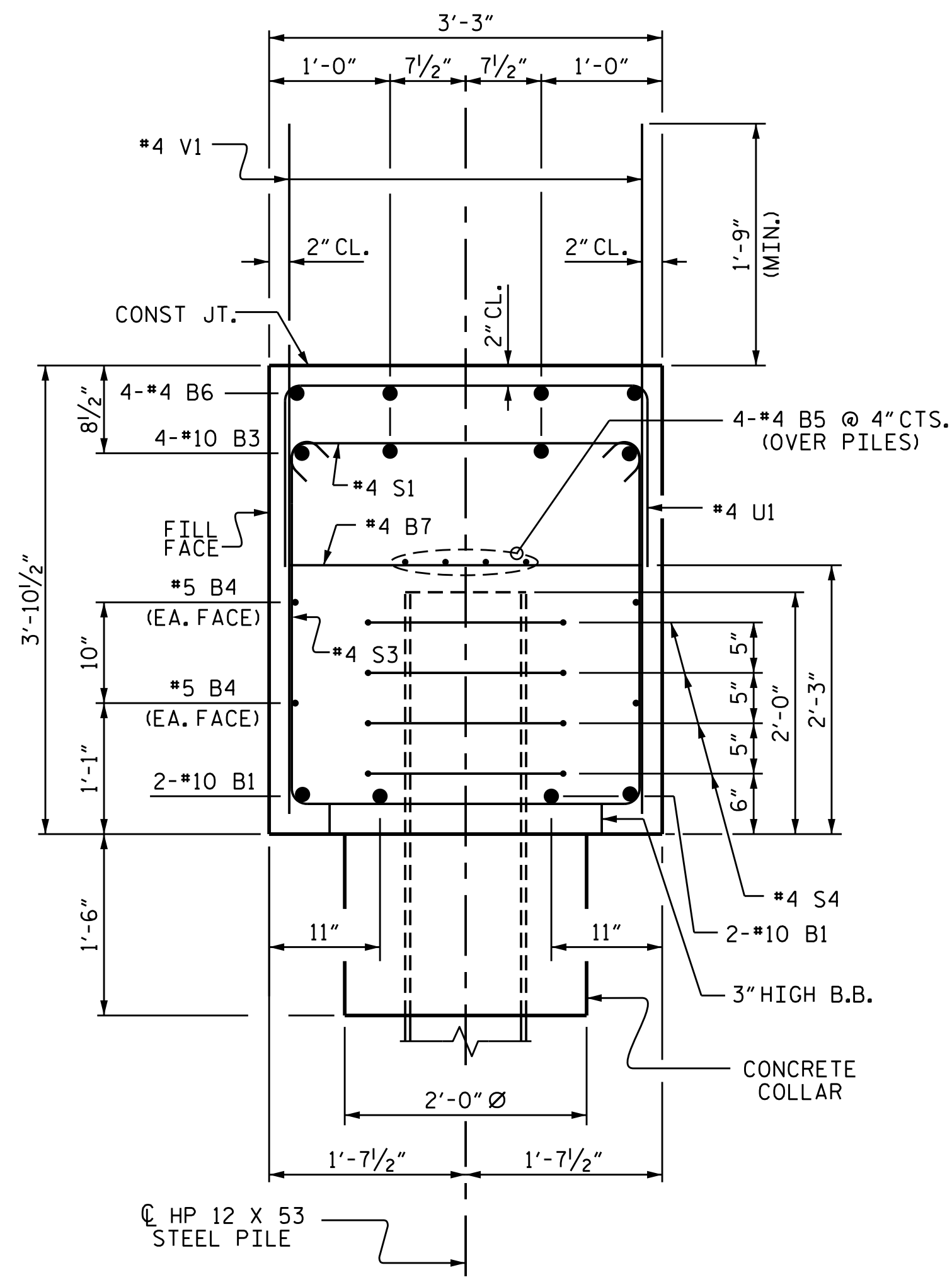
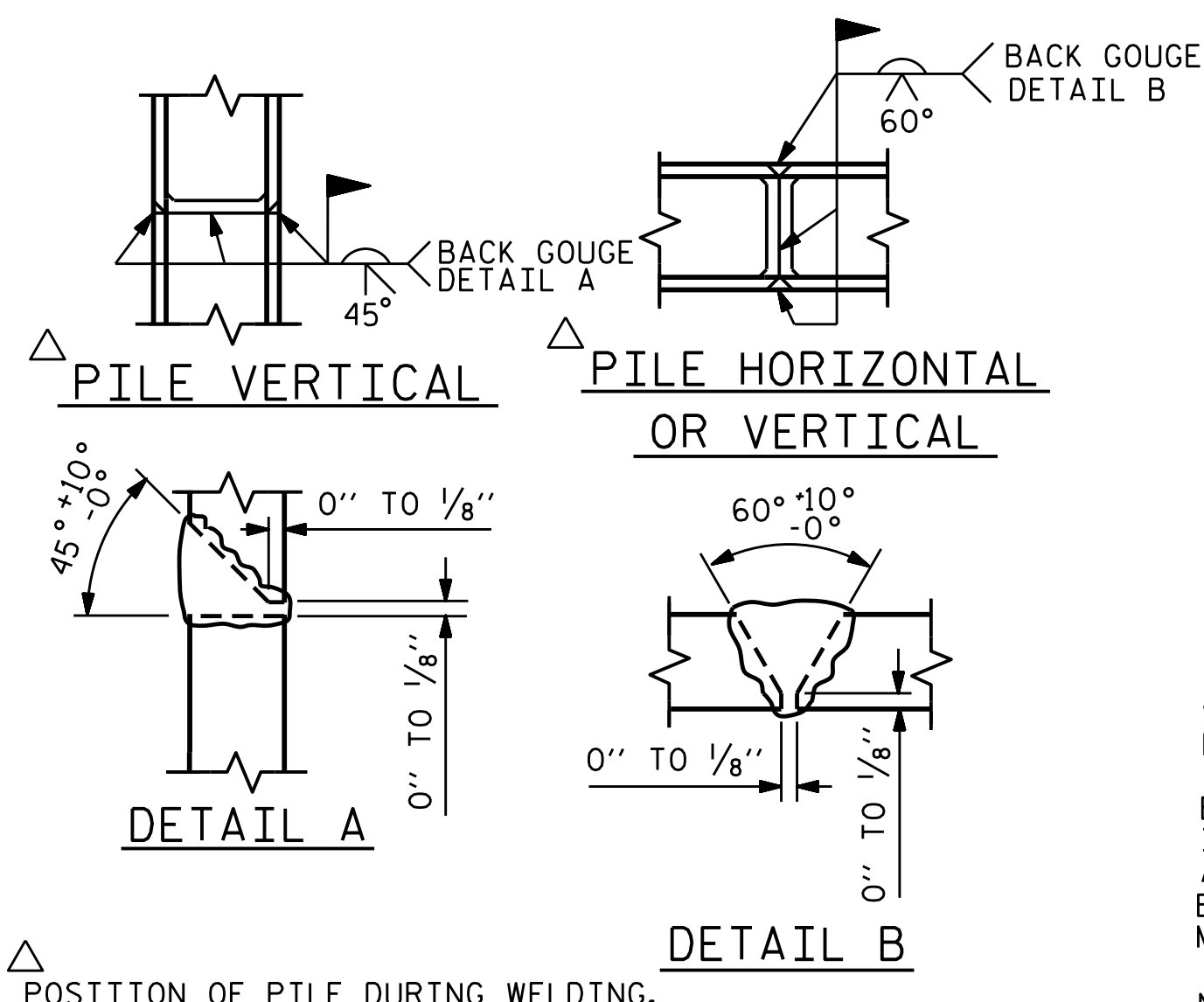


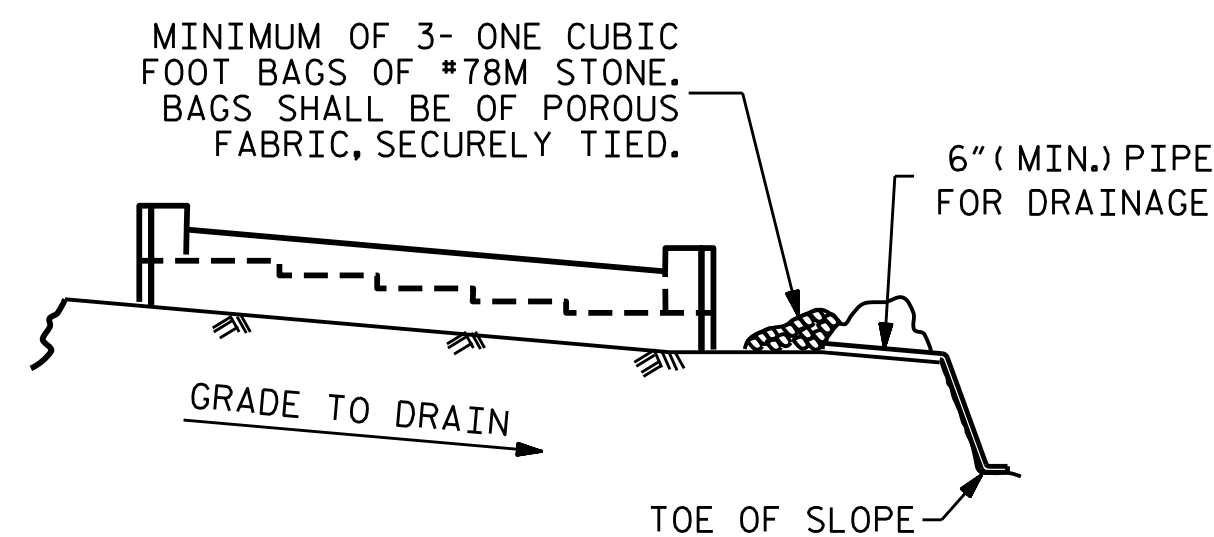
SECTION A-A



SECTION B-B



PILE SPLICE DETAILS

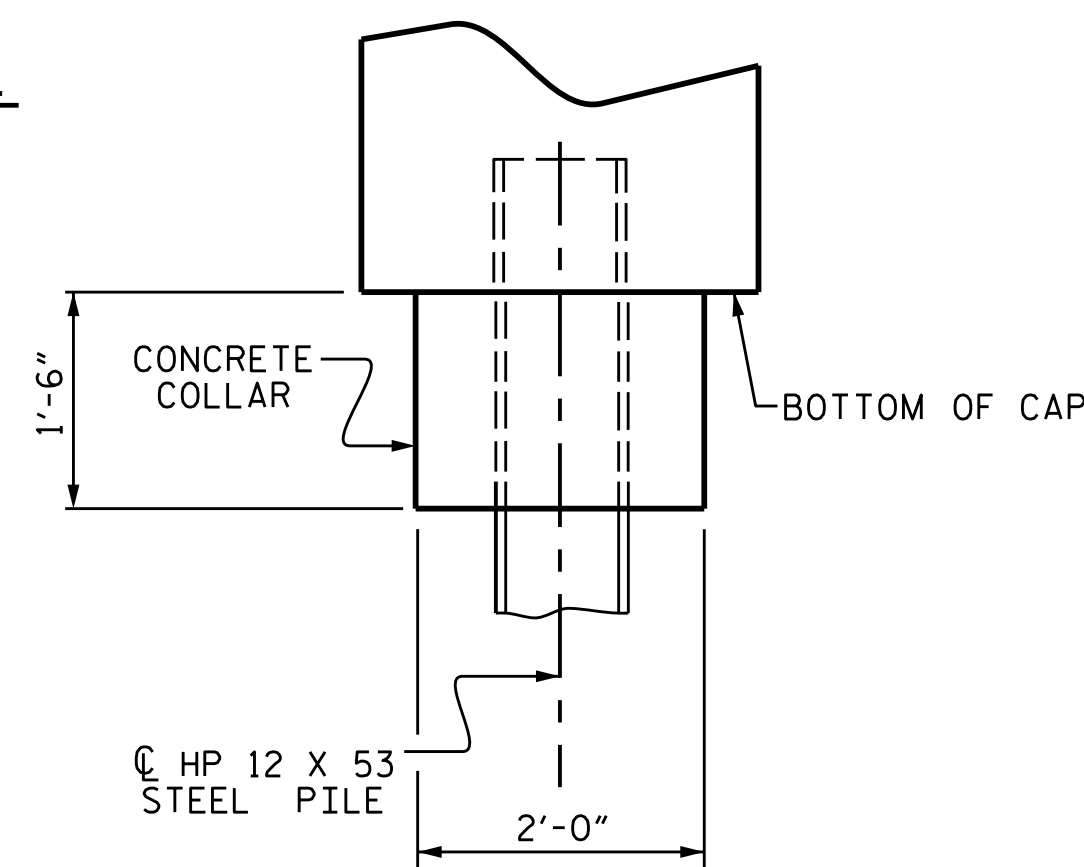


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

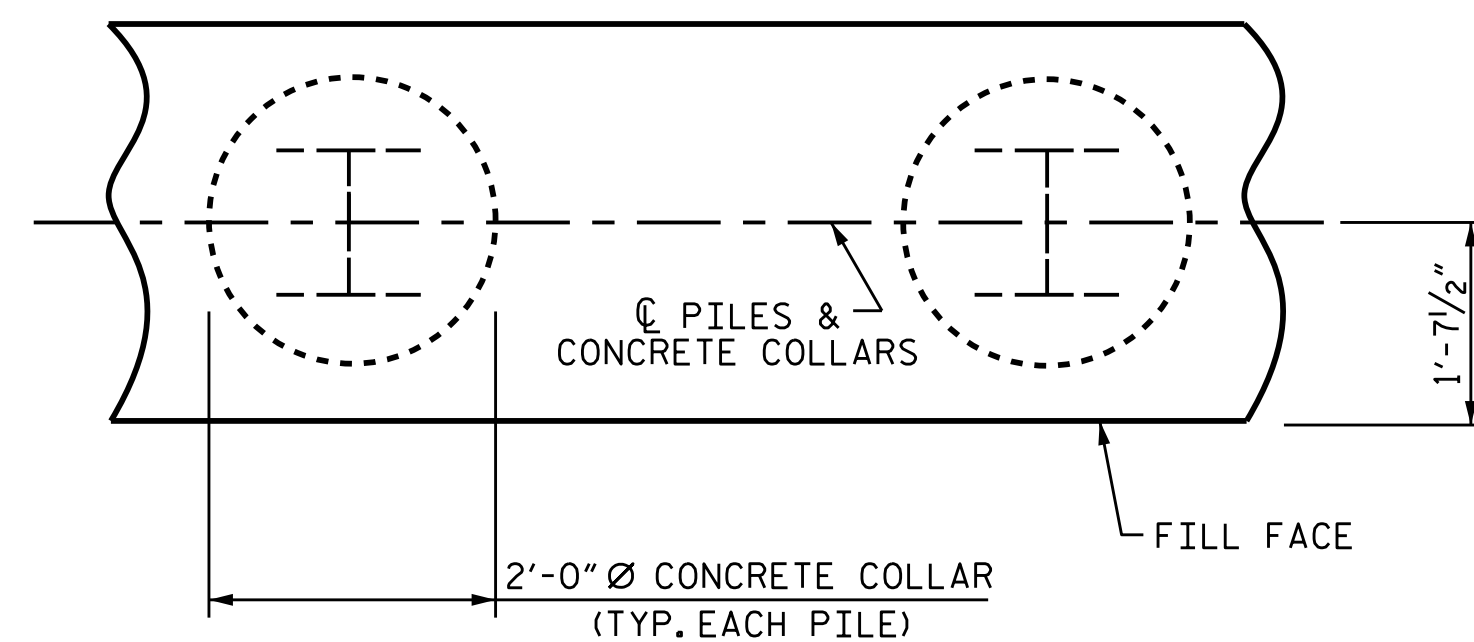
BAGGED STONE SHALL REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS THAT IT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF SILT ACCUMULATIONS AT BAGGED STONE WHEN SO DIRECTED BY THE ENGINEER. BAGS SHALL BE REMOVED AND REPLACED WHENEVER THE ENGINEER DETERMINES THAT THEY HAVE DETERIORATED AND LOST THEIR EFFECTIVENESS.

NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK AND THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE BID FOR THE SEVERAL PAY ITEMS.

TEMPORARY DRAINAGE AT END BENT

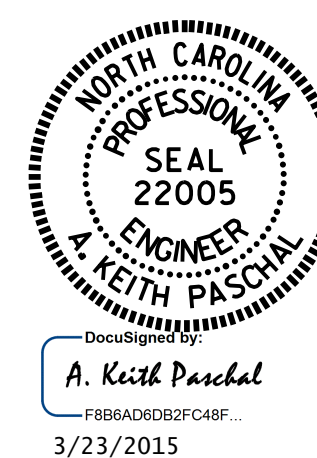


ELEVATION

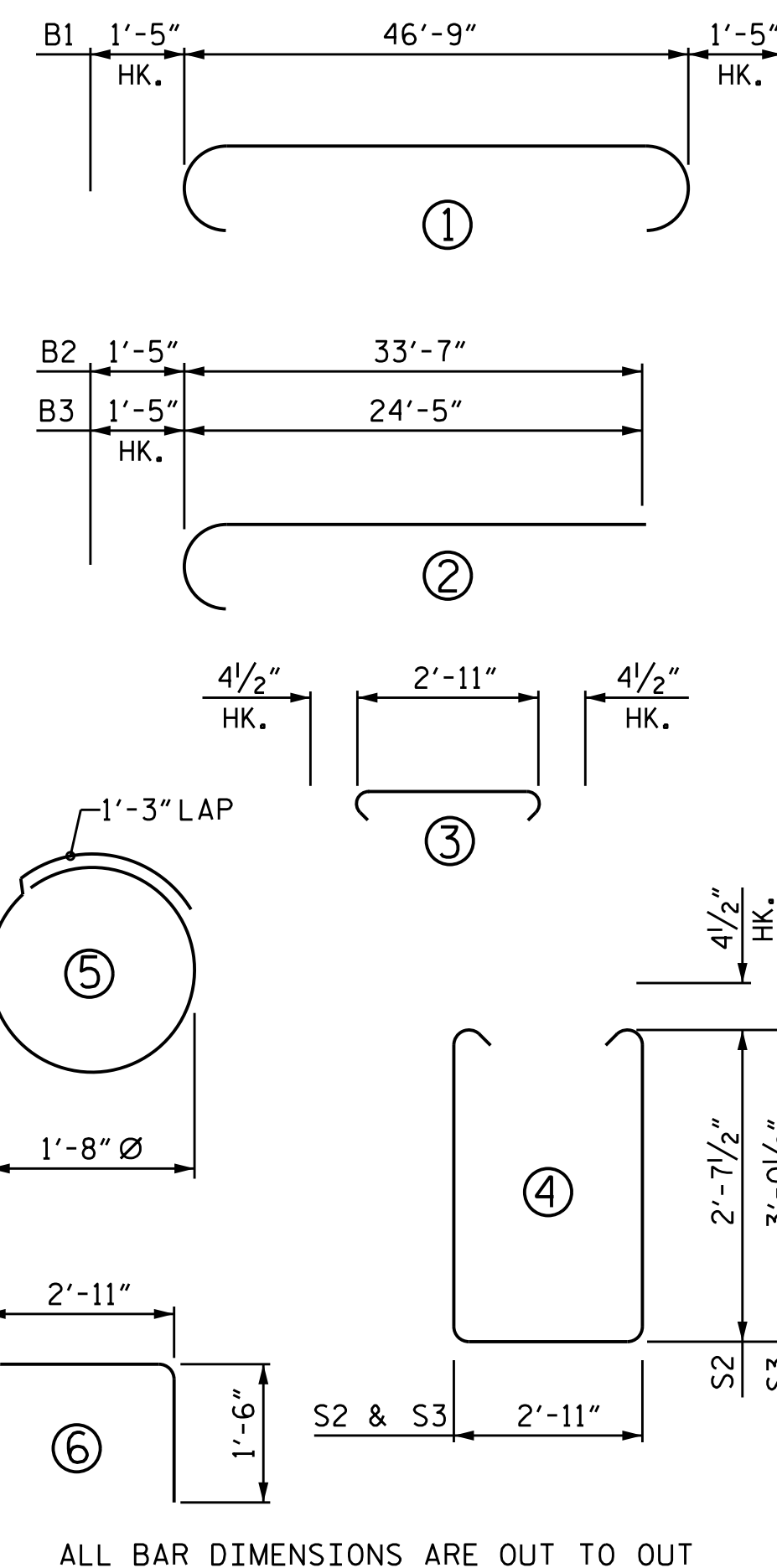


PLAN

CORROSION PROTECTION FOR STEEL PILES DETAIL



BAR TYPES



BILL OF MATERIAL

END BENT 1

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	4	#10	1	49'-7"	853
B2	4	#10	2	35'-0"	602
B3	4	#10	2	25'-10"	445
B4	4	#5	STR.	46'-11"	196
B5	8	#4	STR.	24'-8"	132
B6	4	#4	STR.	7'-0"	19
B7	16	#4	STR.	2'-11"	31
H1	8	#5	STR.	10'-2"	85
H2	10	#5	STR.	11'-8"	122
S1	68	#4	3	3'-8"	167
S2	33	#4	4	8'-11"	197
S3	35	#4	4	9'-9"	228
S4	20	#4	5	6'-6"	87
U1	6	#4	6	5'-11"	24
V1	89	#4	STR.	5'-6"	327
V2	20	#4	STR.	6'-9"	90
V3	22	#4	STR.	7'-8"	113

REINFORCING STEEL 3718 LBS.

CLASS A CONCRETE BREAKDOWN  
CAP, LOWER WINGS & COLLARS 22.2 CU.YDS.

HP 12 x 53 STEEL PILES  
NO. 5 275 LIN. FT.

STEEL PILE POINTS 5 EACH  
PILE REDRIVES 3 EACH

PROJECT NO. R-2514C

JONES COUNTY

STATION: 102+05.00 -L-

SHEET 3 OF 3

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

SUBSTRUCTURE  
INTEGRAL END BENT 1  
(RIGHT LANE)

REVISIONS						SHEET NO. S-49
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS 56
2			4			

DRAWN BY : D. G. ELY DATE : 6/26/14  
CHECKED BY : P. N. HOLDER DATE : 7/17/14  
DESIGN ENGINEER OF RECORD: A. K. PASCHAL DATE : 2/9/15

23-MAR-2015 12:05  
R:\Structures\Plans\Final Plans\DocuSign Set up\402.000.R-2514C.SMU.S.0.dgn  
kpaschal

STR. #2